

INTERNATIONAL SEARCH REPORT

International Application No

F EP2004/053196

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F02M27/02 F02D19/08 F02B43/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 F02D F02M F01N F02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/168263 A1 (BOTTI JEAN JOSEPH ET AL) 11 September 2003 (2003-09-11) abstract; figures	1-4, 10, 14
Y	page 3, paragraph 31 - paragraph 32	5-9
A	page 3, paragraph 39	11-13
Y	page 5, paragraph 55	5-9
Y	US 2003/115857 A1 (PREIS MICHAEL ET AL) 26 June 2003 (2003-06-26) abstract; figures	1-4, 10-14
A	page 1, paragraph 8 - paragraph 11 page 2, paragraph 22 - page 3, paragraph 26	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

18 January 2005

Date of mailing of the international search report

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Name and mailing address of the ISA

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X	EP 1 030 395 A (DELPHI TECHNOLOGIES INC) 23 August 2000 (2000-08-23) abstract; figures	1-4, 10-14
A	column 2, paragraph 12 - column 4, paragraph 16 column 5, paragraph 21 - paragraph 22	5-9
A	US 2002/194835 A1 (BROMBERG LESLIE ET AL) 26 December 2002 (2002-12-26) abstract; figures page 1, paragraph 6 - paragraph 7 page 2, paragraph 16 - page 3, paragraph 26	1-14
A	GB 2 320 057 A (FORD MOTOR CO LTD) 10 June 1998 (1998-06-10) abstract; figure page 2, line 30 - page 3, line 20	1, 10-13
A	FR 2 801 603 A (INSTITUT FRANCAIS DU PETROL) 1 June 2001 (2001-06-01) abstract; figures page 5, line 17 - page 8, line 7 page 9, line 23 - page 11, line 20	1
A	WO 99/19249 A (SHELL INT RESEARCH MAATSCHAPPIJ BV (NL); DE JONG KRIJN P ET AL (NL)) 22 April 1999 (1999-04-22) cited in the application abstract page 1, line 1 - line 11 page 3, line 10 - page 7, line 17 page 9, line 23 - line 33	1
A	EP 0 147 873 A (SHELL INT RESEARCH MAATSCHAPPIJ BV) 10 July 1985 (1985-07-10) cited in the application abstract page 1, line 20 - page 2, line 32	1
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